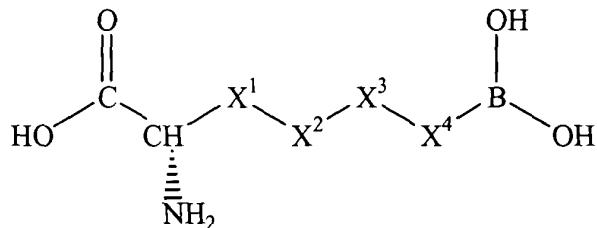


## CLAIMS

What is claimed is:

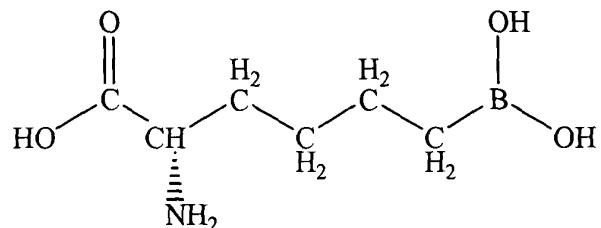
1. A composition comprising an arginase inhibitor having the structure



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wherein each of X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, and X<sup>4</sup> is selected from the group consisting of —(CH<sub>2</sub>)—, —S—, —O—, —(NH)—, and —(N-alkyl)—, except that X<sup>2</sup> is not —S— when each of X<sup>1</sup>, X<sup>3</sup>, and X<sup>4</sup> is —(CH<sub>2</sub>)—.

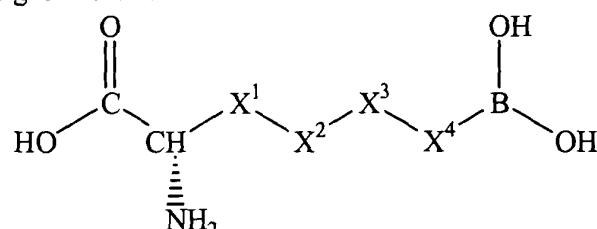
10 2. The composition of claim 1 wherein the inhibitor has the structure



3. The composition of claim 1, further comprising a pharmaceutically acceptable carrier.

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4. A pharmaceutical composition comprising a pharmaceutical acceptable carrier and an arginase inhibitor having the structure



wherein each of X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, and X<sup>4</sup> is selected from the group consisting of —(CH<sub>2</sub>)—,

$-S-$ ,  $-O-$ ,  $-(NH)-$ , and  $-(N\text{-alkyl})-$ , wherein if each of  $X^1$ ,  $X^3$ , and  $X^4$  is  $-(CH_2)-$ , then  $X^2$  is not  $-S-$ .

5. The composition of claim 4, wherein the inhibitor has the structure

